

Hi everyone!

Last weeks the climate component of the project has identified common areas of interest among focal point and participants to our regional modeling workshop in Panama. We considered as a premise that these areas of interest should be strictly related to the funded NASA/USAID project and not related to other activities such as short term weather prediction.

There was a relative wide variety of needs and interests however in general we find a middle point to satisfy your concerns. We are pleased to hear some ambitious plans; however we must move as a group and need to focus in several common endeavors. Let see the answers to our survey:

1. Climate change scenarios – both for National Communication purposes, and more general projects you may have. Global climate runs are now available projecting future climate change until 2100 AD according to the scenarios mandated by the IPCC. For the MM5 regional runs, which time periods are most important to you, and what model output would be most meaningful?

There were similar answers in relation to socio economic projections and/or climate change strategies. For those purposes, outputs at 2010, 2015, 2025 from PCM or IPCC using green house gases emissions and/or business as usual (BAU) will be available in a reasonable time frame next year to satisfy regional concerns.

2. Land use changes – What MM5 runs would be most helpful? Are there specific changes you would like to see made? Is there specific output that would be helpful?

The common concern is related to land use change processes (due to deforestation, reforestation, agriculture and development of urban areas) and its effect on regional/local meteorology and soil features. On this respect we will base our computational experiments on available products that we can use to derive LUC like those from MODIS, LANDSAT. It is not part of the project to derive future land use or land cover regional distributions.

3. Water resources and hydrometeorology – especially, what model output would be most helpful as input into DSS.

In terms of DSS, the hydrometeorology from the model on coastal areas and forest reserves considered variables like: precipitation parameters (convective, non-convective precipitation, rain water mixing water), soil moisture (model has 4 layers), relative humidity (and mixing ratio)

Thanks for your participation in the survey and hope to fill your regional necessities with this results. Finally, please email any concern to Jose Hernandez at hernandezfj@ornl.gov

Regards,

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